



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

**Overhead Door Corporation.**  
**23 Industrial Park Road**  
**Lewiston, PA 17044**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

### **DESCRIPTION: 22' Rolling Steel Door**

**APPROVAL DOCUMENT:** Drawing No. D-308133, titled "Series 610/620 Rolling Service Door 22 FT. Dade County", sheets 1 through 3 of 3, prepared by Overhead Door Corporation, signed sealed by L. G. Krupke, P.E., dated 09/05/03, with last revision on 05/17/04, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### **MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font, PE.**



*[Signature]*  
09/16/04

NOA No 03-1015.02  
Expiration Date: September 16, 2009  
Approval Date: September 16, 2004  
Page 1

**Overhead Door Corporation.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. D-308133, prepared by Overhead Door Corporation, titled Series 610/620 Rolling Service Door 22 FT. Dade County, dated 09/05/03, with last revision on 05/17/04, sheets 1 through 3 of 3, signed and sealed by L. G. Krupke, PE.

**B. TESTS**

1. Test report on Uniform Static Air Pressure per TAS 202, Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Tensile Test per ASTM E8 on a "22' x 10" Steel Roll-Up Service Door", prepared by Architectural Testing, Inc., report No. ATI 01-43463.03, dated 09/10/03 revised on 07/15/04, signed and sealed by L. G. Krupke, PE.

**C. CALCULATIONS**

1. Calculations for Dade County Product Approval of 20 & 18 Gage Rolling Garage Door, prepared by Overhead Door Corporation on sheet 2 of 3, signed and sealed by L. G. Krupke, PE.

**D. QUALITY ASSURANCE**

1. Building code Compliance Office.

**E. STATEMENTS**

1. Code compliance and No interest letter prepared by Overhead Door Corporation on 10/03/03 signed and sealed by L. G. Krupke, PE and notarized by M. G. Bettes.

**F. MATERIAL CERTIFICATIONS**

N/A



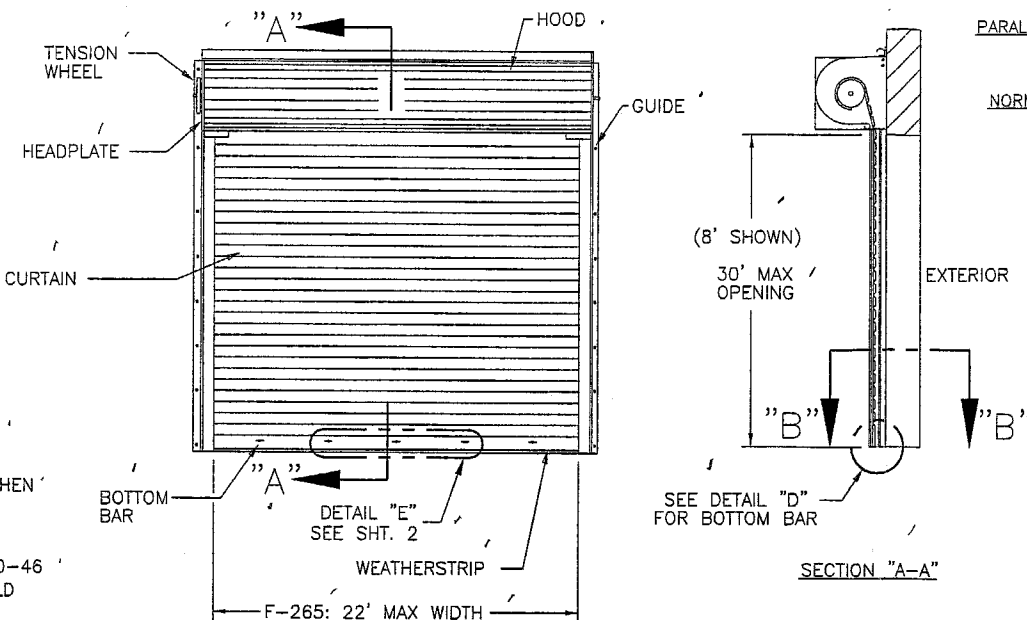
09/16/09

Candido F. Font, PE  
Senior Product Control Examiner  
NOA No 03-1015.02

Expiration Date: September 16, 2009  
Approval Date: September 16, 2004

NOTES

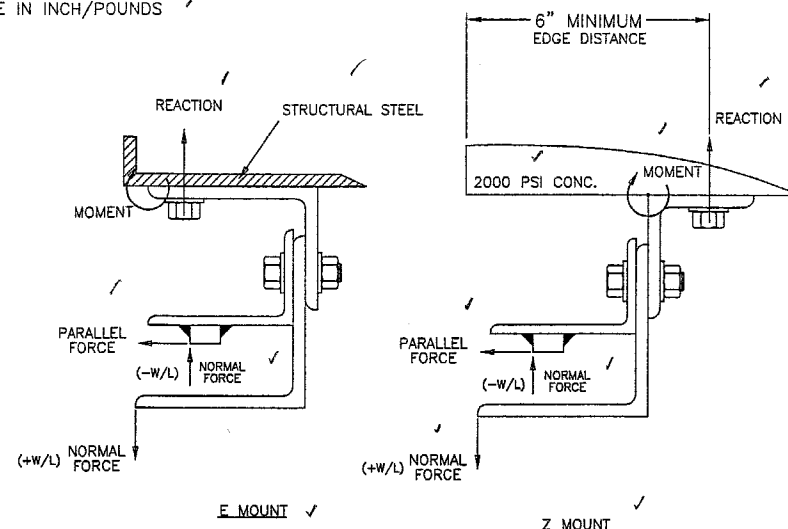
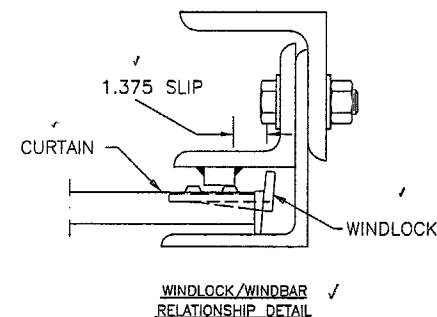
1. (-W/L) = NEGATIVE WINDLOAD  
(+W/L) = POSITIVE WINDLOAD
2. WALL ANGLES MAY BE WELDED TO STEEL JAMB.  
SEE SHEET 2 FOR WELDING DETAILS.
3. RATED DESIGN LOAD  $\pm 65$  PSF.
4. CURTAIN MATERIAL: ASTM A-446 GRADE C  
GUIDE MATERIAL: ASTM A-36
5. ALTERNATE CURTAIN MATERIAL: AISI-304 SS.  
MINIMUM YIELD 40,000 PSI.
6. CURTAIN MATERIAL SHALL BE GALVANIZED ACCORDING  
TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE  
COATING APPROVED AND TESTED AS REQUIRED BY THE  
OVERHEAD DOOR CHECK-LIST BY THE DADE COUNTY  
BUILDING CODE COMPLIANCE OFFICE.
7. THE DOOR MUST BE INSTALLED WITH THE TENSION WHEEL  
FACING THE INSIDE OF THE BUILDING.
8. PINS MUST BE ENGAGED AND CHAIN MUST BE HOOKED WHEN  
HURRICANE WINDS ARE ANNOUNCED.
9. WIND LOCKS ARE REQUIRED ON EACH SLAT
9. WINDLOCK MATERIAL: LOW CARBON CAST STEEL, GRADE 70-46  
(485-250) PER ASTM A27. MIN TENSILE 70-KSI MIN YIELD  
36-KSI. MIN ELONG 22%
10. WINDLOCKS ATTACHED TO EACH SLAT (CONTINUOUS)



**PARALLEL FORCE:** THE CATENARY FORCE OF THE CURTAIN APPLIED TO THE WINDBAR  
IN POUNDS PER FOOT OF HEIGHT.

**NORMAL FORCE:** THE FORCE NORMAL TO THE DOOR OPENING IN  
POUNDS PER FOOT OF HEIGHT.

**MOMENT:** THE RESOLUTION OF THE PARALLEL & NORMAL FORCES TO A POINT  
CORRESPONDING TO THE HEEL OF THE WALL ANGLE IN INCH/POUNDS  
PER FOOT OF DOOR HEIGHT.



F-265 - DOOR SIZE REF. SUMMARY

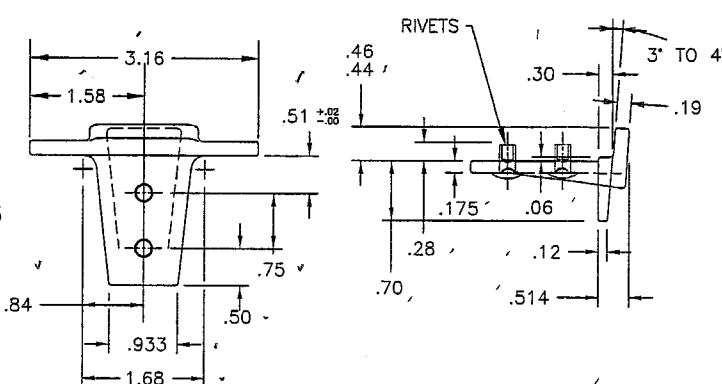
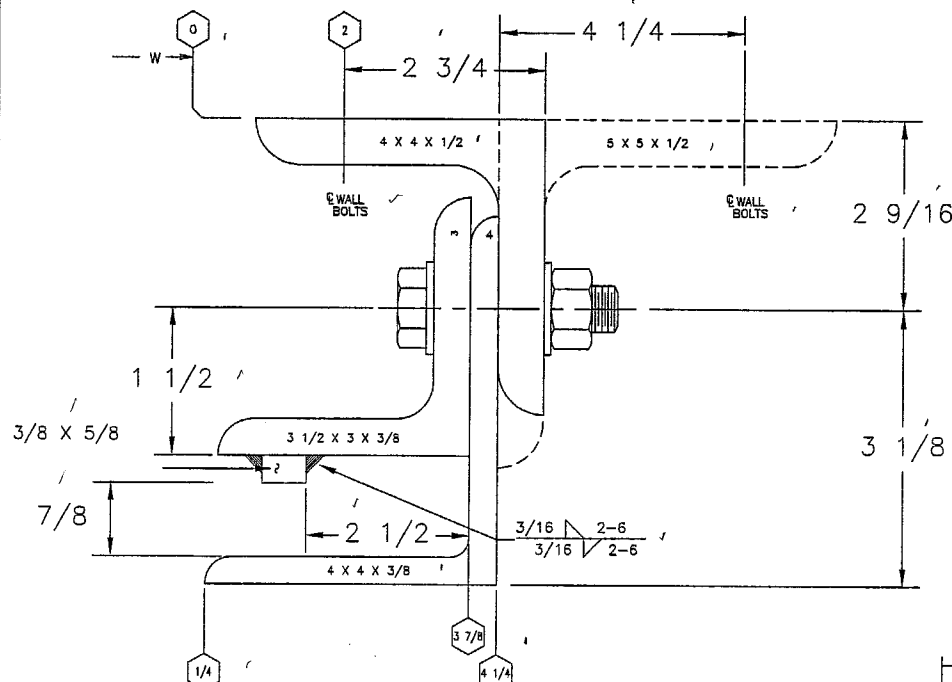
LBS/FT DOOR HEIGHT	(E-MOUNT) LOADS *		(Z-MOUNT) LOADS *	
	20 GA **	18 GA	20 GA **	18 GA
REACTION	9621	9454	3419	3369
NORMAL	715	715	715	715
PARALLEL	2710	2663	2710	2663

\* LOADS - PER FOOT OF HEIGHT

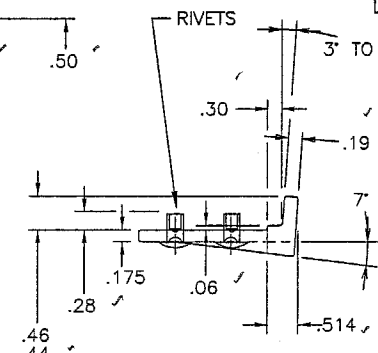
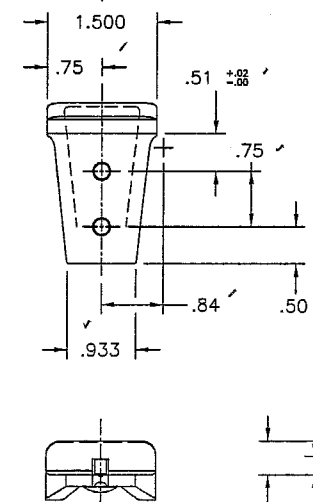
	ASSEMBLY BOLT	WALL BOLT STEEL JAMB	WALL ATTACHMENT CONCRETE JAMB
F-265	5/8" GRADE 5, 10" O.C.	5/8" GRADE 5, 12" O.C.	5/8", 6" EMB RAWL BOLTS -OR- 5/8", 5" EMB WEDGE BOLTS 8" O.C.

\* 2000 PSI MINIMUM & 6" MINIMUM EDGE DISTANCE FOR ANCHOR

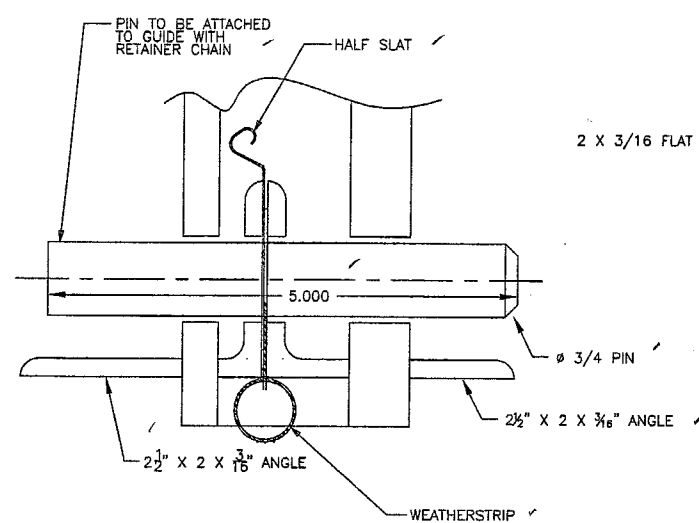
NOTE: FOR DETAILS ON WELDING GUIDES TO STEEL JAMBS SEE SHEET 2.



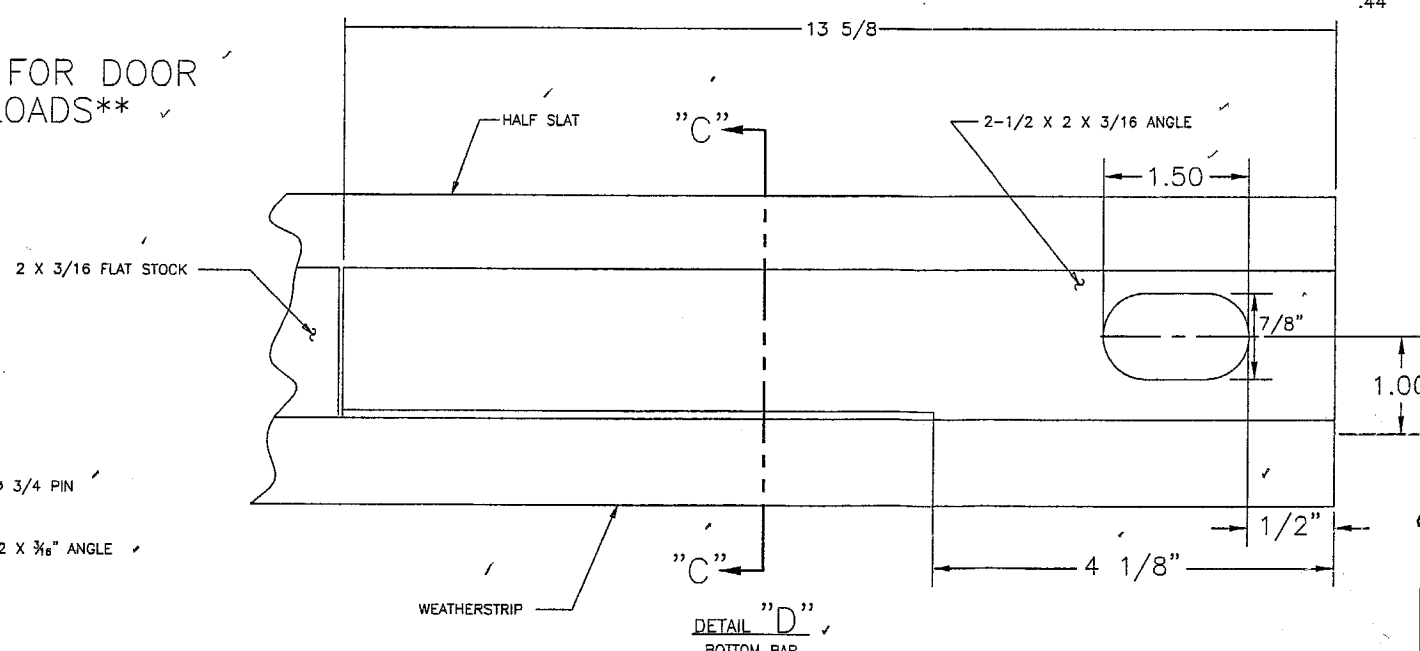
CONTINUOUS WINDLOCK DETAIL



\*\*PIN MUST BE ENGAGED FOR DOOR  
TO WITHSTAND DESIGN LOADS\*\*



SECTION "C-C"






DETAIL "D"  
BOTTOM BAR

F-265 SLAT  
GAUGE OPTIONS: 20 \*\*, 18  
\*\* TESTED IN ACCORDANCE WITH DADE COUNTY  
PROTOCOLS PA 201-94, PA 202-94, AND PA 203-94

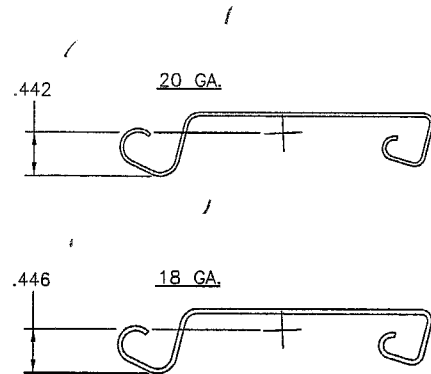
8-17-04

OVERHEAD DOOR CORPORATION  
1900 CROWN DRIVE  
FARMERS BRANCH, TEXAS 75234  
LeROY G. KRUPKE, P.E. #36580

UNLESS OTHERWISE SPECIFIED			 DALLAS, TEXAS		NAME	DATE	DRAWING TITLE: SERIES 610/620, ROLLING SERVICE DOOR 22 FT. DADE COUNTY
DIMENSIONS ARE IN INCHES/TOLERANCES ON DECIMAL DIMENSIONS			MATERIAL: 		DRAWN BY: G FINERAN	8/8/03	
30" ± .03	UNDER .251" ± .004-.003 OVER .251" TO .500" ± .003	ANGLES ± 0° 30'	FRACTIONS ± 1/16"	APPLIED FINISH: 	CHECKED BY: JD FAW	9/5/03	DRAWING NUMBER D- 308133
3/16" ± .005				UNIT OF MEASURE: N/A	APPROVED BY: L KRUPKE	9/5/03	SCALE: NONE
							SHEET 1 OF 3

Approved as complying with the  
Florida Building Code  
Date 09/16/04  
NOA# 03-1015.02  
Miami Dade Product Control  
Division

CALCULATIONS:



CURTAIN SLAT PITCH = 2.67 IN. OR 4.494 SLATS PER FOOT, PROPERTIES ON A PER FOOT BASIS:

	I(IN <sup>4</sup> )	A(IN <sup>2</sup> )	C(IN)
20 GA.	0.0377	0.8422	0.444
18 GA.	0.0494	1.0965	0.450

CALCULATIONS SHOWN FOR 20 GA. SLAT.

WINDLOCK SLIP DISTANCE= 1.375"/SIDE

W= DOOR WIDTH

W = 22 FT.

D = CURTAIN DEFLECTION

D = [0.75 (12) W (WINDLOCK SLIP)]<sup>1/2</sup>

D = [0.75 (12) (22) 1.375]<sup>1/2</sup>

D = 16.5 IN.

S<sub>y</sub> = YIELD STRESS OF SLAT MATERIAL

S<sub>y</sub> = 40,000 PSI

E = MODULUS OF ELASTICITY

E = 29,000,000 PSI

Q<sub>b</sub> = WINDLOAD HELD IN BENDING

Q<sub>b</sub> =  $\frac{2EI\Delta}{45W^4}$  OR  $\frac{2S_y\Delta}{3W^2C}$  (LESSER VALUE)

Q<sub>b</sub> =  $\frac{2(29,000,000)(0.0377)(16.5)}{45(22)^4}$

Q<sub>b</sub> = 3.42

Q<sub>b</sub> =  $\frac{2(40,000)(0.0377)}{3(22^2)(0.444)}$

Q<sub>b</sub> = 4.68

Q = 65 PSF

Q<sub>r</sub> = WINDLOAD HELD IN TENSION

Q<sub>r</sub> = Q - Q<sub>b</sub>

Q<sub>r</sub> = 65 - 3.42

Q<sub>r</sub> = 61.78 PSF

T<sub>e</sub> =  $\frac{3Q_r W^2}{2D}$

T<sub>e</sub> = 2710 LB/FT.

T<sub>r</sub> = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

T<sub>r</sub> =  $\frac{Q \cdot W}{2}$

T<sub>r</sub> = 715 LB/FT.

T<sub>s</sub> = TENSION/SLAT

T<sub>s</sub> = 2710/4.494

T<sub>s</sub> = 603 LB/SLAT

M<sub>R</sub> = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (Z-MOUNT)

M<sub>R</sub> = 2710(4.44)+715(3.50)

M<sub>R</sub> = 14535 IN•LB

M<sub>R</sub> = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (E-MOUNT)

M<sub>R</sub> = 2710(4.44)

M<sub>R</sub> = 12032 IN•LB

WINDLOCK FASTENERS

DESCRIPTION: SEMI-TUBULAR OVAL HEAD RIVET

MATERIAL: LOW CARBON STEEL, ZINC OR CADMIUM PLATED

SIZE: 1/4" X 7/16" LONG (.244" MIN. DIA.)

A<sub>R</sub> = CROSS SECTIONAL AREA/RIVET

A<sub>R</sub> =  $\frac{\pi \cdot D^2}{4}$

A<sub>R</sub> = 0.047 IN<sup>2</sup>

S<sub>s</sub> = SHEAR STRESS ACROSS TWO END FASTENERS

S<sub>s</sub> = T<sub>s</sub>/(2•A<sub>R</sub>)

S<sub>s</sub> = 603/(2•0.047)

S<sub>s</sub> = 6414 PSI

WINDBAR WELDS

A<sub>w</sub> = AREA OF WELD

A<sub>w</sub> = LENGTH • FILLET WIDTH

A<sub>w</sub> = (2)(0.1875)

A<sub>w</sub> = 0.375 IN<sup>2</sup>

S<sub>w</sub> = SHEAR STRESS ACROSS WELD

S<sub>w</sub> = (3 IN)(1 FT/12 IN)(2710 LB/FT)/(0.375 IN<sup>2</sup>)

S<sub>w</sub> = 1807 PSI

WALL ATTACHMENT BOLTS (MAXIMUM LOAD)

STEEL JAMB-POSITIVE WINDLOAD (E-MOUNT)

R<sub>b</sub> = WALL ATTACHMENT BOLT REACTION

R<sub>b</sub> = 12032/1.25

R<sub>b</sub> = 9625 LB.

CONCRETE JAMB-POSITIVE WINDLOAD (Z-MOUNT)

R<sub>b</sub> = [(7/12)(14535)]/4.25

R<sub>b</sub> = 1995 LB.

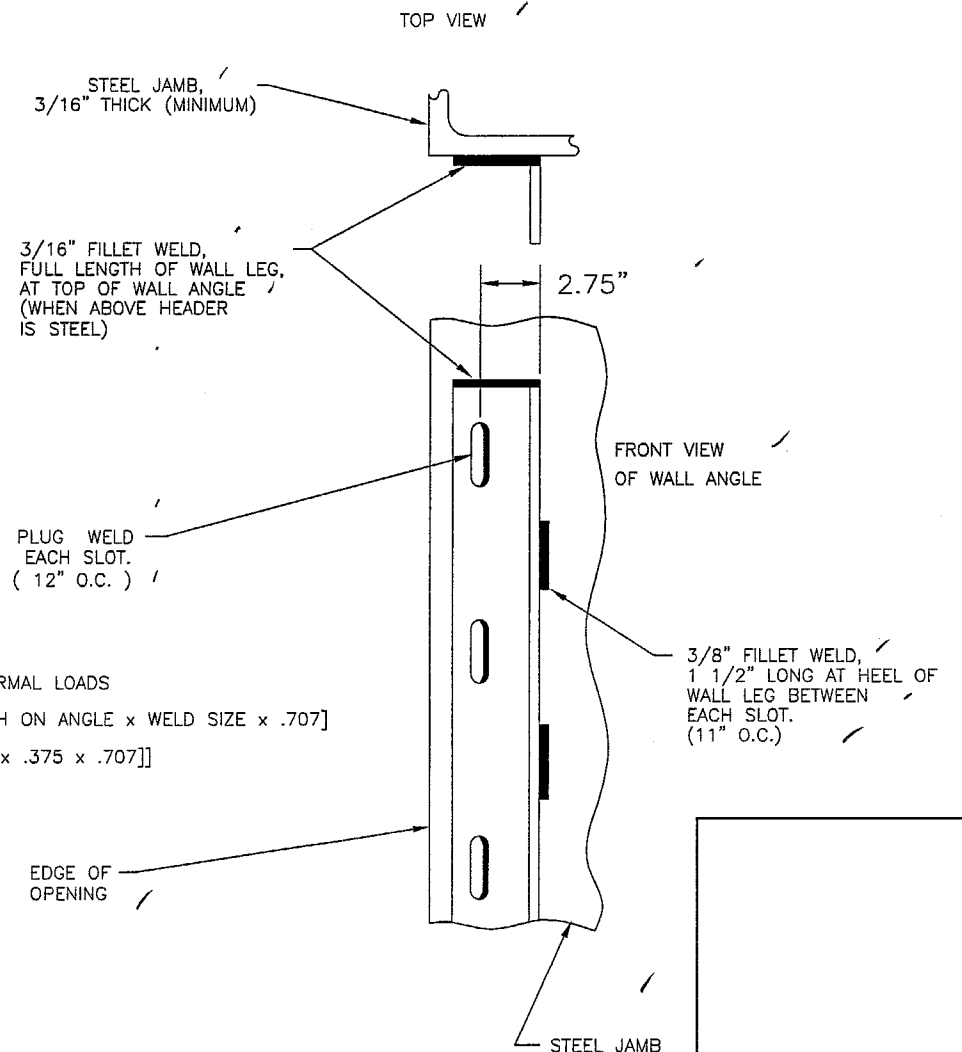
"S" = W + 7 3/4"

SLAT LG = W + 5 1/4"

PIPE LG = W + 3 1/4"

BOTTOM BAR LG = W + 5 1/4" (COPES = 4")

DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS



PLUG WELD EACH SLOT. (12" O.C.)

EDGE OF OPENING

STEEL JAMB

Handwritten signature and date: 8-17-04

OVERHEAD DOOR CORPORATION  
1900 CROWN DRIVE  
FARMERS BRANCH, TEXAS 75234

LeROY G. KRUPKE, P.E. #36580

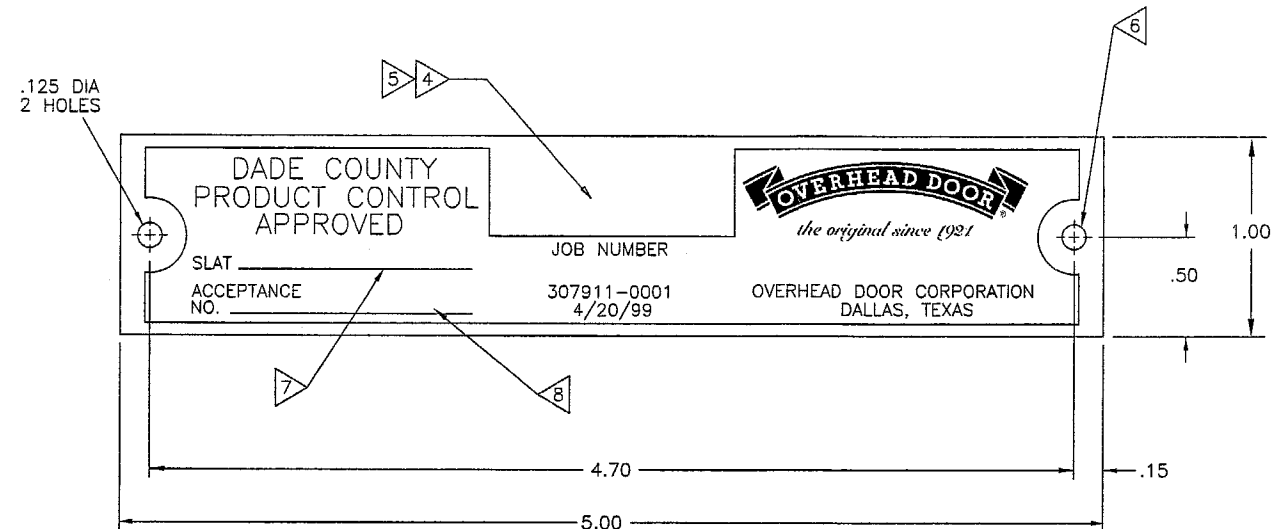
Approved as complying with the  
Florida Building Code  
Date 09/16/04  
NOA# 03-1015.01  
Miami Dade Product Control  
Division

UNLESS OTHERWISE SPECIFIED			NAME	DATE	DRAWING TITLE:
DIMENSIONS ARE IN INCHES-TOLERANCES ON					
DECIMAL DIMENSIONS	HOLE DIMETERS	ANGLES ± 0° 30'	DRAWN BY: G FINERAN	8/8/03	SERIES 610/620, ROLLING SERVICE DOOR 22 FT. DADE COUNTY
.000" ± .003	UNDER .251" .004"-.005"	FRACTIONS ± 1/16"	CHECKED BY: JD FAW	9/5/03	DRAWING NUMBER D-308133
.000" ± .005	OVER .251" .004"-.005"		APPROVED BY: L KRUPKE	9/5/03	SCALE: NONE SHEET 2 OF 3
			APPLIED FINISH: 4	UNIT OF MEASURE: N/A	

NOTES

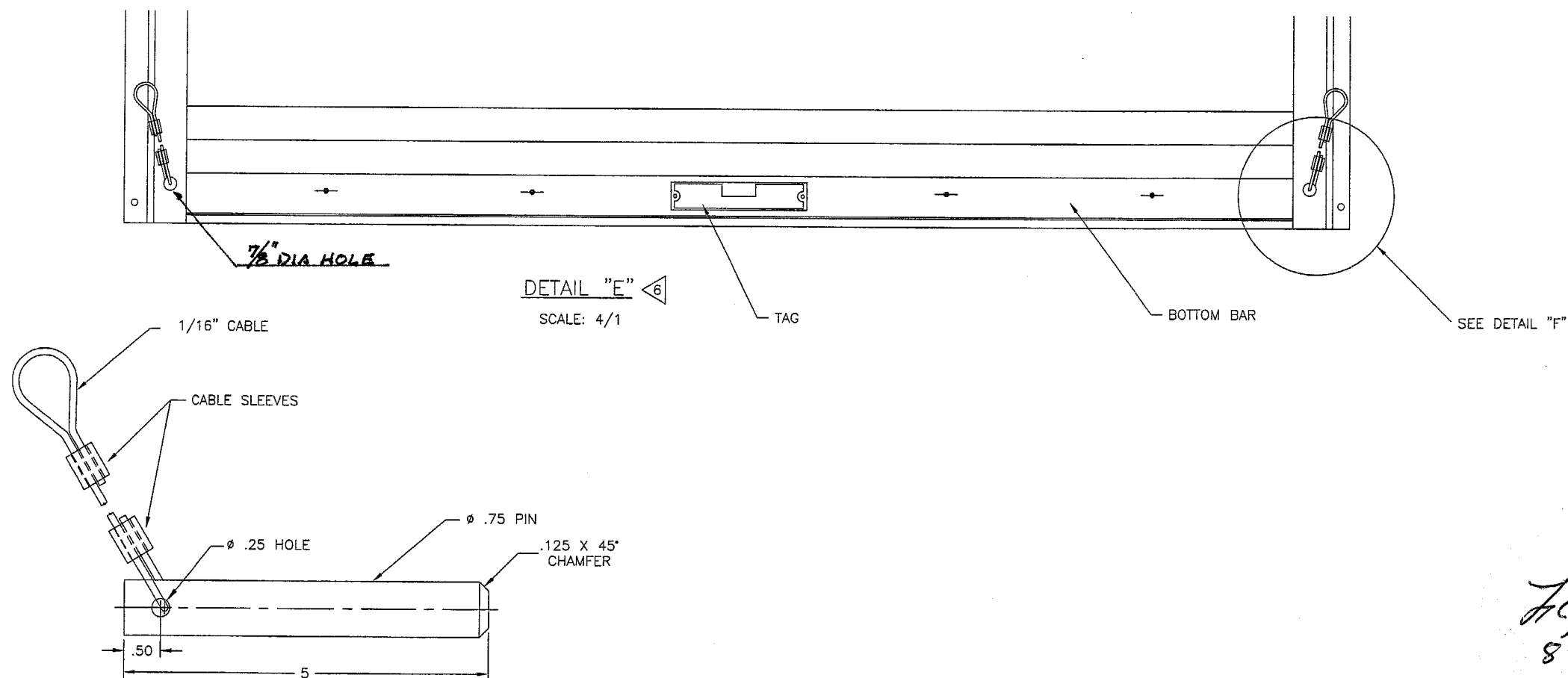
1. MATERIAL: ALUMINUM 3003 H14 (0.03 THICK)  
WITH TRANSPARENT KELSTRIP COVERING.
2. COLOR: HANSCHY RED CS 2311.
3. SOURCE: OHD ADVERTISING AND MERCHANDISING  
1900 CROWN DRIVE  
FARMERS BRANCH, TX 75234
4. STAMP FACTORY ORDER NUMBER HERE.
5. A LETTER MUST BE STAMPED ON ROLLING FIRE DOORS TO  
IDENTIFY MANUFACTURING PLANT (I.E., USE "P" FOR PENNSYLVANIA).
6. FASTENER FOR TAG IS P/N 080276-1004(STEEL DRIVE SCREW).  
TAG WILL BE MOUNTED IN THE MIDDLE OF THE BOTTOM BAR.
7. STAMP SLAT TYPE HERE.
8. STAMP ACCEPTANCE NUMBER HERE.

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
-	REV PER EN 20625	10/10/03	LK
A	REV PER EN 20685	8/17/04	ZK



P/N 307911-0001 - DADE CO. APPROVAL TAG, ROLLING DOORS & GRILLES

SCALE: 2/1



DETAIL "F"

THE DRAWING AND/OR TECHNICAL INFORMATION ON THIS SHEET IS THE PROPERTY OF OVERHEAD DOOR CORPORATION OR ITS SUBSIDIARY AND IS LOANED IN CONFIDENCE FOR ENGINEERING AND MUTUAL ASSISTANCE PURPOSES ONLY. AND MAY NOT BE REPRODUCED OR USED TO MANUFACTURE ANYTHING DISCLOSED HEREON WITHOUT THE EXPRESS PERMISSION OF OVERHEAD DOOR CORPORATION WHICH MAY RECALL THIS SHEET AT ANY TIME.

UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES	TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES ± 0° 30'
XX" ± .03	UNDER .2514-.004-.003	OVER .2514-.004-.003	FRACTIONS ± 1/16"
.000" ± .003	OVER .100" ± .003	OVER .100" ± .003	
MATERIAL: N/A		APPLIED FINISH: N/A	UNIT OF MEASURE: N/A
DRAWN BY: M WOMACK		CHECKED BY: JD FAW	APPROVED BY: L KRUPKE
DATE: 10/10/03		DATE: 10/10/03	
DRAWING TITLE: SERIES 610/620, ROLLING SERVICE DOOR 22 FT. DADE COUNTY		DRAWING NUMBER: D- 308133	
SCALE: NOTED		SHEET 3 OF 3	

Approved as complying with the  
Florida Building Code  
Date 09/16/04  
NOAH 03-1015.02  
Miami Dade Product Control  
By [Signature]

OVERHEAD DOOR CORPORATION  
1900 CROWN DRIVE  
FARMERS BRANCH, TEXAS 75234  
LeROY G. KRUPKE, P.E. #36580